

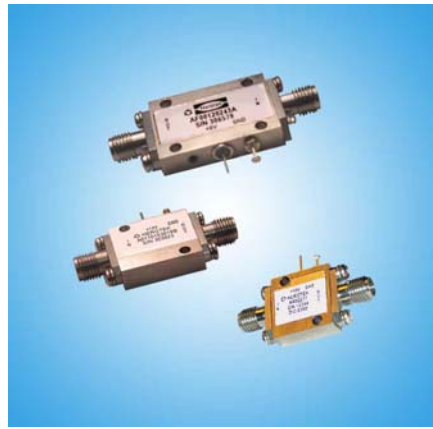


# HIGH FREQUENCY AND MILLIMETER WAVE AMPLIFIERS

18 – 45 GHz

## FEATURES

- Wide Bandwidth
- Low Noise Figure
- Matched for Low VSWR
- Miniature Sizes for Drop-In Assembly
- Hermetically Sealed Package for Military Application



## APPLICATIONS

- Microwave Radio & VSAT
- Military & Space
- Test Instrumentation
- Fiber Optics
- Telecom Infrastructure

## ENVIRONMENTAL RATINGS

Max Input Power.....100mW  
 Operating Temperature Range.....-55°C to +85°C  
 Storage Temperature Range.....-65°C to +125°C  
 Shock..... 50G, 11 msec  
 Vibration..... 20G, 100 to 2000 Hz

## Specifications: (@ +25°C)

MODEL	FREQ. RANGE (GHz)	MIN GAIN (dB)	MAX GAIN VARIATION (+/- dB)	MAX <sup>1</sup> N. F. (dB)	MAX VSWR	MIN P OUT @ 1 dB COMP (dBm)	NOM DC CURRENT @ +12V (mA)	OUTLINE
A1826153508A	18 - 26	15	1.0	3.5	2:1	+ 8	80	1D
A1826224010A	18 - 26	22	1.25	4.0	2:1	+ 10	160	1D
A1826294010A	18 - 26	29	1.5	4.0	2:1	+ 10	220	2A
A1840157008A	18 - 40	15	2.0	7	2.2:1	+ 8	120	1C
A1840227010A	18 - 40	22	2.5	7	2.2:1	+ 10	180	1C
A1840287010A	18 - 40	28	3.0	7	2.2:1	+ 10	240	2C
A2640125010A	26 - 40	12	2.0	5	2:1	+ 10	120	1C
A2640205010A	26 - 40	20	2.5	5	2:1	+ 10	180	1C
A2640285010A	26 - 40	28	3.0	5	2:1	+ 10	240	2C
A3045155010A	30 - 45	15	2.0	5	2:1	+ 10	120	1C
A3045225010A	30 - 45	22	2.5	5	2:1	+ 10	180	1C
A3045295010A	30 - 45	29	3.0	5	2:1	+ 10	240	2C

For Package Outlines see Outline Drawings Page